SONY

NEX-3NL/B

Alpha NEX-3N with 16-50mm Lens

It's everything you've ever wanted in a camera. Not only is it the smallest and lightest* camera in the world with swappable lenses, it even produces magazine-worthy shots with the blurry backgrounds you crave. There's even a screen that flips completely around for perfectly-framed self-portraits and a motorized zoom lens. It's really in a class of its own. *with an APS-C sensor

Key Features

16.1 MP Exmor® HD APS sensor

You get incredible detail and gorgeous enlargements. Thanks to the large 16.1 megapixel APS-C sensor size and Sony Exmor® APS HD CMOS technology, the camera achieves high resolution with no penalty in low-light sensitivity or sensor noise.

New SELP1650 power zoom lens with motor zoom lever and body control

A new zoom lever on the body of the camera allows for effortless one-handed operation and smooth zooming* even when shooting self-portraits, bringing compact camera convenience to the realm of interchangeable-lens models.

Beautifully composed self-portraits made easy

The NEX-3N's tiltable LCD screen flips up 180° to make shooting self-portraits a snap. Include other people, experiment with interesting angles or shoot against famous landmarks. When you press the shutter, the camera does all the work.

Full HD 1080/60i/24p or 1080/30p MP4 movies[4]

Record stunning high quality Full HD video[4] in either 60i or 24p frames per second. Records in your choice of 60i/24p Blu-Ray quality AVCHD™ format[5], or in PC-friendly 1080/30p MP4 format.

Built-in flash built into compact body

Perfect when an extra burst of light is needed to get the shot, the built-in Guide Number 6 flash[1] combines with high ISO sensitivity to enable shooting in just about any setting.

Up to ISO 16000 sensitivity with advanced noise reduction

With a new Exmor™ sensor that features the same adaptive noise reduction technology from Sony's flagship SLT-A99V, the NEX-3N easily offers a wide range of sensitivity from ISO 100 to ISO 16000.

Auto Object Framing fills the frame with your subject

Give your photos a professional look with Auto Object Framing. Featuring advancements like exceptional two-person portrait capability along with Face Detection and Tracking Focus, Auto Object Framing not only turns ordinary photos into stunning compositions but does so automatically recognizing the scene then cropping accordingly.

Newly designed anti-slip grip

Perfect for self-portraits or casual snaps, the natural form ensures quick, comfortable handling and makes the camera easy to carry around. In addition, the textured grip prevents slipping even when shooting one-handed or when using exceptionally large lenses.

Compact, easy-to-carry PZ 16-50mm kit lens

Measuring just 3/16" (29.9mm) when fully retracted, this SELP-1650 retractable zoom lens is super compact and easy to carry so you never miss the moment. It covers a 16mm to 50mm range (35mm equivalent = 24-75mm) for flexible shooting, and is equipped with one ED (extra-low dispersion) and four Aspherical elements, resulting in a high performance lens that is surprisingly compact.

Picture Effect modes

The NEX-3N includes 15 effects that can be applied to photos or movies, giving you the means to vastly expand your artistic repertoire. The ability to view effects in real-time on the LCD screen[6] before the shot lets you experiment with different looks until you are satisfied with the result.

Photo Creativity feature

NEX-3N provides easy access to most Picture Effect settings as well as controls for Background Defocus, Brightness, Color and Vividness. Just activate Photo Creativity, choose the appropriate item then adjust while viewing in real-time on the LCD screen. The ability to combine settings offers nearly unlimited creative control, and lets you compensate for tricky lighting.

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Superior Auto mode

Use Superior Auto mode to shoot photos and movies with the ease of a compact digital camera. In this mode, the camera recognizes the current shooting environment then adjusts settings for optimal results. Superior Auto also includes Auto HDR and Hand-held Twilight modes, both of which employ image compositing technology to handle difficult lighting by recording multiple images at high speed then compositing them to produce the final photo.

Anti-Motion Blur mode

Corrects for subject movement to capture amazingly clean and sharp images in low light. The camera leverages the large, APS-C image sensor and captures six images in a fraction of a second. Combining the data from all six creates a single image that minimizes subject blur.

Hand-held Twilight Mode

Get cleaner and sharper nighttime pictures—beyond the capability of traditional cameras—without using flash or a tripod. The camera leverages the large, APS-C image sensor and captures six images in a fraction of a second. Combining the data from all six creates a single image of extraordinary detail and low noise.

Face Detection/Smile Shutter

Set NEX-3N to recognize faces and smiles. Face Detection locates up to eight faces in a composition then adjusts exposure, white balance and other settings based on these faces. Smile Shutter — adjustable in three levels — automatically takes a shot when smiles in the scene are at their brightest.

Creative Style

Tailor the look of photos and movies before shooting. Choose from one of six settings — Standard, Vivid, Portrait, Landscape, Sunset or Black & White — depending on the scene or your creative intent.

Speed Priority Continuous mode

Freeze fast-moving subjects by shooting at up to 4 fps. This is the ideal solution for photographing sports, children at play or other action.

Up to 480 Shots[6] of battery life

Take up to 480 shots on a single charge[6] with Sony® lithium ion Stamina™ battery power. Sony's InfoLITHIUM® battery system enables you to see the percent of power remaining, so you can keep shooting in confidence.

PlayMemories Home supplied software[5]

Free, easy-to-use PlayMemories Home image management software automatically installs onto Windows PC's for Sony Digital Camera users. Download photos and movies onto your computer then view, organize, edit, retouch, print, burn to disk, share or upload to social networking websites.[5]

Supplied accessories

The kit includes a NP-FW50 Lithium ion rechargeable battery, AC-UB10 USB AC charger (in-camera battery charging), Mini-B USB cable, and shoulder strap.

Specifications

Camera	
Lens Compatibility	Sony E-mount, operation with Minolta/Konica Minolta Maxxum A-mount lenses confirmed via optional LA-EA1 / LA-EA2 adaptor
Lens Mount	Sony E-mount
Camera Type	Interchangeable Lens Digital SLR camera
Imaging Sensor	
Imaging Sensor	Exmor™ APS HD CMOS sensor (23.5 X 15.6mm)
Processor	BIONZ™ image processor
Pixel Gross	16.5M pixels (approx.)
Effective Picture Resolution	16.1M pixels (approx.)
Focal Length Conversion Factor	1.5x
Color Filter System	RGB primary color filters
Recording	
Media Type	Memory Stick PRO Duo™ / Pro-HG Duo™ media; SD, SDHC and SDXC memory card

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Color Space	sRGB standard (with sYCC gamut) and Adobe RGB standard compatible with TRILUMINOS™ Color
Still Image Mode	JPEG (Standard, Fine, Extra Fine), RAW, RAW+JPEG
Still Image Max Effective Resolution	Memory Stick PRO Duo™ / Pro-HG Duo™ media; SD, SDHC and SDXC memory card
Still Image Size 16:9	L (14 MP) 4912 x 2760, M (7.1 MP) 3568 x 2000, S (3.4 MP) 2448 x 1376
Still Image Size 3:2	L (16 MP) 4912 x 3264, M (8.4 MP) 3568 x 2368, S (4 MP) 2448 x 1624
Panorama Still Image Size	Horizontal Wide: 12,416 x 1,856 (23M) Horizontal Std.: 8,192 x 1,856 (15M) Vertical Wide: 2,160 x 5,536 (12M) Vertical Std.: 2,160 x 3,872 (8.4M)
Video Format	AVCHD / MP4 (MPEG-4 AVC (H.264))
Video Mode	AVCHD: FX - 1920 x 1080/60i@24Mbps FH - 1920 x 1080/60i@17Mbps FX - 1920 x 1080/24p@24Mbps FH - 1920 x 1080/24p@17Mbps MP4: HD - 1440 x 1080/30p@12Mbps VGA - 640 x 480/30p@3Mbps
Video Signal	NTSC color, EIA standards
Audio Format	Dolby Digital (AC-3) / MPEG-4 AAC-LC
Microphone/Speaker	Built-in Stereo Microphone
Still Image File Format	JPEG (DCF Ver. 2.0, Exif Ver.2.3, MPF Baseline compliant), RAW (Sony ARW 2.3format), 3D MPO (MPF Extended compliant)
LCD Display	
LCD Type	3.0" TFT LCD (460,800 dots)
Angle Adjustment	Tilt angle: Up: 180 degrees; Down: Approx. 13 degrees
Brightness Control	Auto, Manual (5 steps between -2 to +2)
Coverage	100%
Live View	Continuous Live View
Real-time image adjustment display	Yes (On/Off)
Histogram	Yes (On/Off)
Peaking	Yes (Level setting: High / Mid / Low / Off, Color: White / Red / Yellow)
Grid Display	Yes (Rule of Thirds, Square Grid, Diagonal + Square Grid, Off)
Customization	Grid, Histogram display, Grid Line, Magnified display for playback
Focus Control	
Focus System	Contrast-detect AF
Focus Points	25 points
AF Modes	Single-shot AF(AF-S), Continuous AF(AF-C), Auto Focus, Direct Manual Focus (DMF), Manual Focus
Focus Area	Multi Point (25 points) / Center-weighted / Flexible Spot
Focus Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Focus Features	Predictive control (AF-A, AF-C), Focus Lock
AF Illuminator	Built-in LED, Range: approx. 3' 4" - 9' 9" (0.3m-3.0m)
Exposure System	
Picture Effect(s)	11 modes (15 effects): Posterization (Color, B/W), Pop Color, Retro Photo, Partial Color (R,G,B,Y), High Contrast Mono, Toy Camera, Soft High-key, Soft Focus, HDR Painting, Rich-tone Mono, Miniature
Auto Exposure Lock	Yes (AE Lock button). Can be disabled from menu
Color Temperature	2500 – 9900K with 15-step each Magenta/Green compensation (G7 to M7), Amber/Blue (A7 to B7), Custom

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Creative Style	Standard, Vivid, Portrait , Landscape, Sunset, Black & White (Contrast (-3 to +3steps), Saturation(-3 to +3steps), Sharpness(-3 to +3steps)
D-Range Optimizer	Yes: (Auto, Level, Off)
Exposure Bracketing	3 continuous or single shots in 1/3 or 2/3 EV steps
Exposure Compensation	Still images: +/-3.0 EV (1/3EV steps selectable) Movies: +/-2.0 EV (1/3EV steps selectable)
Exposure Settings	iAUTO, Superior Auto, Programmed AE (P), Aperture priority (A), Shutter-speed priority (S), Manual (M), Sweep Panorama, Scene Selection
ISO	Stills: ISO 100-16000 selectable in 1 EV steps, Auto (100-3200) Movies: ISO 100-3200 selectable in 1 EV steps, Auto (200-3200)
Metering	Advanced 1200-zone evaluative metering
Metering Modes	Multi-segment, Center-weighted, Spot
Metering Sensitivity	EV 0 to 20 EV (at ISO100 equivalent, with F2.8 lens attached)
Noise Reduction	Long Exposure NR: (On/Off, available at shutter speeds longer than 1 second) High ISO NR: (High/Normal/Low)
Scene Mode(s)	Portrait, Landscape, Macro, Sports Action, Sunset, Night Portrait, Night View, Hand-held Twilight, Anti Motion Blur
White Balance Mode	Auto, Daylight, Shade, Cloudy, Incandescent, Fluorescent, Flash, Color temperature range 2500 to 9900K, Custom
Drive System	
Burst Buffer	JPEG Standard (9 shots) JPEG Fine (9 shots) RAW (5 shots) RAW+JPEG (4 shots)
Continuous Shooting Speed	Continuous mode: 2.5 fps, Speed Priority Continuous mode: 4 fps
Drive Mode	Single-shot, Continuous, Speed Priority Continuous, Self-timer (10/2 sec. delay), Self-timer (Cont.) (with 10 sec. delay; 3/5 exposures), Bracketing
Self-timer	2-sec. or 10-sec. delay
Shutter Speeds	1/4000 to 30 seconds, bulb
Shutter Type	Electronically-controlled, vertical-traverse, focal-plane shutter
Flash	
Flash Bracketing	±2.0 EV
Flash Compensation	±2.0 EV (switchable between 1/3 EV steps)
Flash Coverage	16 mm (focal length printed on lens body)
Flash Metering System	Pre-flash TTL
Flash Modes	Flash off, Auto flash, Fill-flash, Slow Sync., Rear Sync.
Flash Type	Built-in, Pop-up Auto
Guide Number	6 (in meters at ISO200) 4 (in meters at ISO100)
Recycling Time	Approx. 3 sec.
Convenience Features	
Self Timer	Yes,10/2 second delay selectable
Red-Eye Reduction	Yes, On/ Off selectable
Media/Battery Indicator	Yes
View & Index	Single (with or without shooting information), RGB histogram and highlight/shadow warning, 4/9-frame index view, Enlarged display mode (L: 13.6x, M: 9.9x, S: 6.8x), Auto Review (10/5/2 sec, Off), Image orientation (On/Off), Slideshow, Panorama scrolling, Folder selection (still), Forward/Rewind (movie), Delete, Protect
Advanced Features	
Face Detection	On, Off, Face Registration, Face Selection; maximum eight faces detected
Smile Shutter™ technology	Smile shutter (selectable from 3 steps)
Image Stabilization	Lens-based (where applicable)
Auto High Dynamic Range	Yes, (Auto Exposure Difference, Exposure difference Level (1-6 EV at 1.0 EV step), off)
Priority Setting (for Face Detection)	Yes (eight faces max)

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Sweep Panorama	Horizontal (Wide / Standard), Vertical (Wide / Standard)
Interface	
BRAVIA® Sync™	Yes, via HDMI® with compatible BRAVIA HDTV (link menu)
DC IN	Yes via optional AC-PW20AM (sold separately)
HD Output	HDMI® (Type C mini)
Memory Card Slot	Dual compatibility slot: Memory Stick PRO Duo™ / Pro-HG Duo™ / PRO-HG HX Duo™ media - SD, SDHC and SDXC memory card
PhotoTV HD	Yes, with BRAVIA Sync enabled HDTV and HDMI® cable
Tripod Mount	Yes
USB Port(s)	USB 2.0 Hi-speed (mass-storage, MTP)
Weights and Measurements	
Dimensions (Approx.)	Approx. 4-3/8 x 2-2-1/2 x 1-3/8 in (109.9 x 62 x 34.6 mm) (W / H / D) excluding protrusions
Weight (Approx.)	With battery and Memory Stick PRO Duo Approx. 9.5 oz. (269 g)
Weight(Approx) (Main unit only)	Approx. 7.4 oz. (210 g)
Power	
Battery Type	InfoLITHIUM® NP-FW50 (7.2V)
Battery Capacity	1020 mAh
Number of Still Images	Approx. 480 images with LCD monitor (CIPA standard)
Software	
Supplied Software	Supplied Software: PlayMemories Home, Image Data Converter Version 4
Operating System Compatibility	Operating System Compatibility: Windows® XP SP3 (64-bit and Starter Editions are not supported, Windows Image Mastering API (IMAPI) Ver.2.0 or later is required to use the function for creating discs.) Windows Vista® SP2 (Starter Edition is not supported) Windows® 7 SP1; Windows® 8; Mac OS X (v10.5 -v10.8) (Image Data Converter, PlayMemories Home is not Mac compatible)
Service and Warranty Information	
Limited Warranty Term	1 Year Parts & Labor
Accessories	
Supplied Accessories	SELP1650 lens Lens cap Rechargeable battery (NP-FW50) AC adaptor (AC-UB10) Shoulder strap Body cap Micro USB cable

1. In meters, ISO 100
2. Records in 29 minute segments
3. Actual performance varies based on settings, environmental conditions, and usage. Battery capacity decreases over time and use.
4. Files compatible with iMovie® '09 or later on Mac. Software not compatible with Mac OS® X.
5. Among interchangeable-lens cameras with an APS-C sensor and built-in flash as of February 2013.
6. The following modes are not displayed in real-time and cannot be applied to movies: HDR Painting, Rich-tone Monochrome, Soft Focus and Miniature.